Installing the McGraw-Hill Connect and Create Building Block (Version 2.1) for Blackboard Learn, Release 9.1, Basic Edition

System administrators can manage and select signed Building Blocks using the B2Manager command line tool. The tool verifies that the Building Block being managed is certified for use with the Blackboard Learn Basic Edition platform. Complete information on running the B2Manager command line tool can be found in the Blackboard Learn Administrator Guide.

These instructions are for installing and configuring the McGraw-Hill Connect and Create Building Block for Blackboard Learn™ Release 9.1, Basic Edition, using the B2Manager tool.

Prerequisites

These instructions assume you have Blackboard Learn, Release 9.1 SP6 or higher installed and running and that you have obtained the corresponding version of the McGraw-Hill Connect and Create Building Block from the Blackboard website.

The McGraw-Hill Connect and Create Blackboard Building Block is Blackboard Learn version specific. Depending on the Blackboard Learn release your institution currently is running, the corresponding Building Block should be chosen. The following table highlights the Building Block package specific to your Blackboard Learn Release:

<table>
<thead>
<tr>
<th>Blackboard Learn 9.1 Release</th>
<th>Building Block Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Pack 6</td>
<td>bbgs-mhhe-2.001.91600098.war</td>
</tr>
<tr>
<td>Service Pack 7</td>
<td>bbgs-mhhe-2.001.91700098.war</td>
</tr>
<tr>
<td>Service Pack 8</td>
<td>bbgs-mhhe-2.001.91800098.war</td>
</tr>
<tr>
<td>Service Pack 9</td>
<td>bbgs-mhhe-2.001.91900015.war</td>
</tr>
</tbody>
</table>

NOTE: Be sure to update the McGraw-Hill Connect and Create Blackboard Building Block along with every Blackboard Learn service pack upgrade to ensure proper operation of the Blackboard Learn and McGraw-Hill integration.
How to Install the McGraw-Hill Connect and Create Building Block through the B2Manager Command Line Tool

**Step 1: Install the Building Block**

Type the following command, where `bbgs-mhhe-2.001.91XXXXXX.war` is updated to match the package version of the Building Block corresponding to your Blackboard environment, `<BLACKBOARD>` is the Blackboard installation’s root directory (e.g. `/usr/local/blackboard/`), and `<B2PATH>` is the full path of the Building Block war file being installed or updated:

**UNIX Syntax:**

```bash
<BLACKBOARD>/tools/admin/B2Manager.sh -i <B2PATH>/bbgs-mhhe-2.001.91XXXXXX.war
```

**For example:**

```bash
/usr/local/blackboard/tools/admin/B2Manager.sh -i /home/bbuser/bbgs-mhhe-2.001.91600098.war
```

**Windows Syntax:**

```bat
<BLACKBOARD>\tools\admin\B2Manager.bat -i <B2PATH>\bbgs-mhhe-2.001.91XXXXXX.war
```

**For example:**

```bat
C:\BLACKBOARD\tools\admin\B2Manager.bat -i C:\BuildingBlocks\bbgs-mhhe-2.001.91600098.war
```

The following screen capture image shows the messages output to the console following successful execution of the installation command.
**Step 2: Change the Building Block Status to Available**

Type the following command, where `<BLACKBOARD>` is the Blackboard installation’s root directory (e.g. `/usr/local/blackboard/`), to change the Building Block status to available:

**UNIX Syntax:**

`<BLACKBOARD>/tools/admin/B2Manager.sh -s AVAILABLE Bb-McGrawHill`

**Windows Syntax:**

`<BLACKBOARD>\tools\admin\B2Manager.bat -s AVAILABLE Bb-McGrawHill`

The following screen capture image shows the messages output to the console following successful execution of the command.
**Step 3: Change the Building Block Course/Org Default Status to Available (SP6 and SP7 only)**

Type the following command, where `<BLACKBOARD>` is the Blackboard installation’s root directory (e.g. `/usr/local/blackboard/`), to make the Building Block Course/Org default status to available. Please note that this command should only be executed on versions of Blackboard prior to Blackboard Learn 9.1 Service Pack 8 due to a change in the management of default course tool availability in the release. **Skip this step for Blackboard Learn 9.1 Service Pack 8 and above.**

**UNIX Syntax:**

```
<BLACKBOARD>/tools/admin/B2Manager.sh -c AVAILABLE Bb-McGrawHill
```

**Windows Syntax:**

```
<BLACKBOARD>/tools/admin/B2Manager.bat -c AVAILABLE Bb-McGrawHill
```

The following screen capture image shows the messages output to the console following successful execution of the command.
Step 4: Configure the Building Block

From the Setup field in the console output, copy the URL provided. The screen capture below provides an example of the URL generated:

![Console Output Example]

This information can be also accessed using the following command, where `<BLACKBOARD>` is the Blackboard installation’s root directory (e.g. `/usr/local/blackboard`).

**UNIX Syntax:**

```
<BLACKBOARD>/tools/admin/B2Manager.sh -v Bb-McGrawHill
```

**Windows Syntax:**

```
<BLACKBOARD>\tools\admin\B2Manager.bat -v Bb-McGrawHill
```
Login to Blackboard as an administrator and paste the setup URL into the same web browser to see the Building Block configuration page.

Follow the instructions in the McGraw-Hill Connect and Create Building Block Administrator Guide to configure the settings for the Building Block and press the Submit Button to save changes.
After pressing the Submit button, a page with a success message and an error is displayed. The success message indicates that the Building Block configuration was saved successfully and the error message can be safely ignored.

Close the browser window once the installation and configuration is complete.
For more details on the Blackboard and McGraw-Hill Integration, refer to the following documents:

- McGraw-Hill Connect and Create Building Block Administrator Guide
- McGraw-Hill Connect and Create Building Block Instructor Guide
- McGraw-Hill Connect and Create Building Block Release Notes